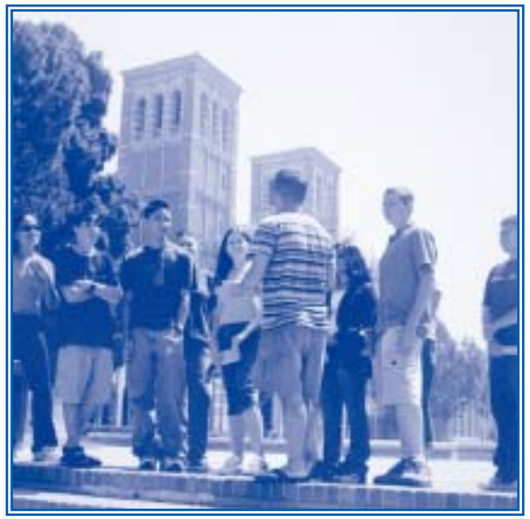
Wheeling Jesuit College (WV)
To maximize the benefits accruing from the eight-week residential program, several factors will be taken into account when deciding where selected students will be placed. These include grade level and place of residence. Apprentices will not be assigned to university sites that are within commuting distance (50 miles or less) of their homes.

MTSI
NASA SHARP
6801 Kenilworth Avenue, Suite 200
Riverdale, MD 20737-1331
Tel: (301) 985-5171
info@nasasharp.com

Once completed, application materials for the residential component apprenticeships must be mailed to Modern Technology Systems at the address above. **Faxed applications will not be accepted**.

COMMUTER SITE APPLICATION

Those interested in applying to NASA SHARP's commuter component can download an application from our Web site at **http://www.nasasharp.com** or contact the NASA Field Installation of interest. Once completed, application materials for the commuter component apprenticeships must be submitted directly to the NASA Field Installation to which the applicant is applying. The applications are due at the NASA Field Installation by the second Monday in February. Applicants must live and attend a school within a 50-mile radius of a NASA Field Installation. The 13 participating NASA Field Installations and their addresses are as follows:



NASA FIELD INSTALLATIONS

AMES RESEARCH CENTER (ARC)
Education Office
Mail Stop 223/3
Moffett Field, CA 94035-1000
ATTN: NASA SHARP Manager

DRYDEN FLIGHT RESEARCH CENTER (DFRC)
ATTN: NASA SHARP Manager
P.O. Box 273, M/S D2407
Edwards, CA 93523-0273

GLENN RESEARCH CENTER (GRC)
Office of Educational Programs
ATTN: Program Manager (NASA SHARP)
Mail Stop 7-4
21000 Brookpark Road
Cleveland, OH 44135
intern@grc.nasa.gov

GODDARD INSTITUTE FOR SPACE STUDIES (GISS)
ATTN: NASA SHARP Coordinator
Office 788
2880 Broadway
New York, NY 10025

GODDARD SPACE FLIGHT CENTER (GSFC)
Educational Programs Office
ATTN: NASA SHARP Coordinator
Building 28, Room N165
Mail Stop 130.0
Greenbelt, MD 20771

INDEPENDENT VERIFICATION AND VALIDATION FACILITY (IV&V)
ATTN: Program Mgr., Educational Outreach (NASA SHARP)
100 University Drive
Fairmont, WV 26554

JET PROPULSION LABORATORY (JPL)
ATTN: Student Programs Administrator (NASA SHARP)
Mail Stop 180-109
4800 Oak Grove Drive
Pasadena, CA 91109-8099

JOHNSON SPACE CENTER (JSC)
Education and Student Programs
ATTN: Education and Student Programs Mgr. (NASA SHARP)
Mail Code AH2, Building 12, Room 213
Houston, TX 77058-3696

KENNEDY SPACE CENTER (KSC)
Education Programs and University Research Division
ATTN: Student Educational Programs Specialist (NASA SHARP)
Mail Code XA-D2
Kennedy Space Center, FL 32899

LANGLEY RESEARCH CENTER (LaRC)
Education Office
ATTN: NASA SHARP Coordinator
Mail Stop 400
Hampton, VA 23681

MARSHALL SPACE FLIGHT CENTER (MSFC)
Education Programs Office
ATTN: Education Programs Specialist (NASA SHARP)
Bldg. 4200, Code (CD60)
Marshall Space Flight Center, AL 35812

STENNIS SPACE CENTER (SSC)
Office of Education
ATTN: Student Programs Coordinator (NASA SHARP)
Building 1100, Room 11134, Code FA00
Stennis Space Center, MS 39529-6000

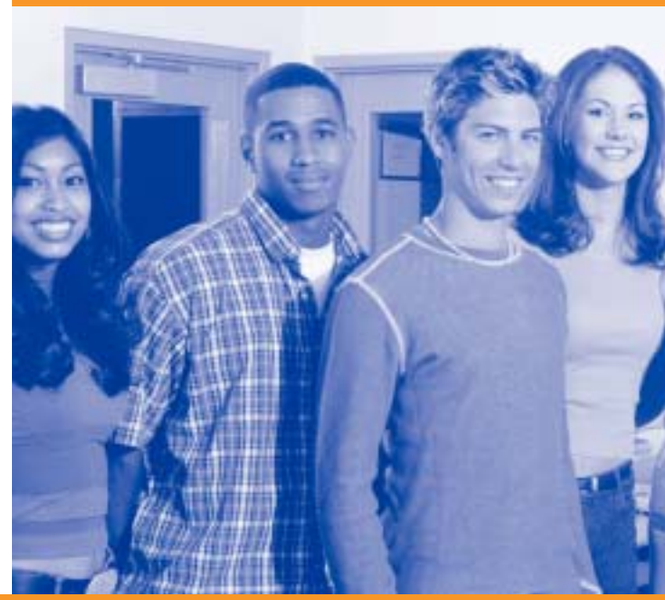
WALLOPS FLIGHT FACILITY (WFF)
Public Affairs Office
ATTN: Public Affairs Specialist (NASA SHARP)
Building F6, Mail Code 130.4
Wallops Island, VA 23337

Educational Program
Educators and Students | Grades 10–12
EP-2002-11-409-HQ

National Aeronautics and Space Administration

NASA SHARP

National Aeronautics and Space Administration's Summer High School Apprenticeship Research Program



GOAL OF NASA SHARP

The goal of NASA SHARP is to increase the participation and success rates of students who are traditionally underrepresented in science, mathematics, technology, engineering, and geography.

NASA SHARP OVERVIEW

Each year, the National Aeronautics and Space Administration's Summer High School Apprenticeship Research Program (NASA SHARP) offers a select group of approximately 400 high school students the opportunity to participate in an intensive science and engineering apprenticeship program. The students are selected on the basis of having shown an aptitude for and interest in science and engineering careers. The program operates during the summer months for a minimum of eight weeks and includes an hourly stipend. The students will earn while they learn!

NASA SHARP consists of two components, a commuter component and a residential component.

NASA'S EDUCATION PROGRAM

http://education.nasa.gov

NASA is an investment in America's future. Our activities contribute to the achievement of the Nation's science and technology goals and priorities.

NASA's Mission:

To inspire the next generation of explorers
. . . as only NASA can.

NASA SHARP BENEFITS

- An eight-week paid summer apprenticeship
- NASA Field Installation or residential university placements
- Hands-on research experiences
- Experiences with mentors and role models
- Exposure to careers related to science, mathematics, technology, engineering, and geography
- Course, college, and career information

COMMUTER COMPONENT

Apprentices participate at one of 13 NASA Field Installations. They must attend a school within a 50-mile radius of the NASA Field Installation site to which they wish to apply. They will commute from home each day and work with a NASA mentor.

RESIDENTIAL COMPONENT

Apprentices are placed at participating colleges and universities across the United States. Placement is solely determined by Modern Technology Systems, Incorporated, and is not necessarily based upon the accepted applicant's proximity to the location. Round-trip transportation between the student's home and the host institution is provided, as are housing and meals (taxable). All residential participants will reside on the campus to which they are assigned for the entire duration of the program. They will work with mentors at nearby industrial sites or in research laboratories at the host institutions.

APPRENTICESHIP EXPERIENCE

After participating in an orientation program, the apprentices are assigned to work with a mentor in a specific area of science or technology. In addition to earning a salary during their apprenticeship, students have the opportunity to

- conduct meaningful research;
- interact with students from different racial and ethnic backgrounds;
- work at a NASA Field Installation or gain residential college experience at a participating university; and
- Participate in a variety of enrichment activities that provide opportunities to develop oral and written communications, computer, and leadership skills; multicultural experiences; and experience in preparing written final reports and developing abstracts of research.

NASA SHARP is open to all eligible, talented high school students. All students are encouraged to apply to the program with the understanding the following:

- the program is designed to increase underrepresented students' participation and success rates in science, mathematics, technology, engineering, and geography (SMTEG);
- students cannot participate in the program for more than two summers;
- preference is given to students who are juniors at the time of application; and
- traditionally underrepresented groups in SMTEG, including females, African Americans, Hispanics, Native Americans, Pacific Islanders (natives of the Philippines, Guam, American Samoa, or Micronesia), and disabled students are especially encouraged to apply.

ELIGIBILITY REQUIREMENTS

For consideration in this program, an applicant must be a U.S. citizen or a national of a possession of the United States (i.e., Guam, Puerto Rico, or the Virgin Islands), and must meet each of the following criteria:

- The applicant must be at least 16 years of age, be enrolled in high school, and have completed at least the 10th grade by the start of the program;
- The applicant must complete at least two college preparatory mathematics courses such as algebra, algebra II, or geometry, and two college preparatory science courses such as biology, chemistry, or physics, with a grade of B or better in each course and an overall average of B or better in all other coursework.
- The applicant must demonstrate a strong interest in and aptitude for a career in mathematics, science, technology, engineering, or geography.
- The applicant must speak and write English at a level that does not require significant assistance.
- The applicant must be willing to participate in a formal interview, if chosen as a finalist, as part of the placement process.
- The applicant must be committed to participate on a full-time basis, Monday through Friday (40 hours per week), for the entire duration of the program.
- The applicant must have a significant/demonstrated interest in pursuing a science- or engineering-related career.

In addition, those who wish to participate in the commuter component of NASA SHARP must be a state resident (in accordance with state residency requirements) and attend a high school within a 50-mile radius of a participating NASA Field Installation.

The program operates from about mid-June to mid-August each year. Further information about the program and downloadable applications may be obtained by visiting us on the Web at **http://www.nasasharp.com**

RESIDENTIAL SITE APPLICATION

Those interested in applying to NASA SHARP's residential component can download an application from our Web site at **http://www.nasasharp.com** or contact MTSI. Completed applications for the NASA SHARP residential component must be submitted to Modern Technology Systems, Inc. (MTSI). The applications must be postmarked **by the second Monday in February**.

NASA SHARP residential component sites are colleges or universities with a demonstrated commitment to high-quality mathematics, science, or engineering (MSE) education for all students. Several institutions have served as host sites for NASA SHARP at different times over the years. These include the following:

Alabama A&M University (AL)
California State University at Los Angeles (CA)
Central State University (OH)
Cornell University (NY)
Florida A&M University (FL)
Florida International University (FL)
Georgia Institute of Technology (GA)
Hampton University (VA)
Jackson State University (MS)
Morgan State University (MD)
Norfolk State University (VA)
North Carolina A&T State University (NC)
Northern Arizona University (AZ)
Old Dominion University (VA)
Prairie View A&M University (TX)
San Francisco State University (CA)
Southern College of Technology (GA)
Southern University at Baton Rouge (LA)
Stanford University (CA)
Tennessee State University (TN)
Texas A&M University (TX)
Texas Southern University (TX)
University of Alabama at Birmingham (AL)
University of Cincinnati (OH)
University of Michigan at Ann Arbor (MI)
University of New Mexico (NM)
University of Pennsylvania (PA)
University of Wisconsin—Madison (WI)